

1. A method for providing worldwide web content, centralized management, and local and remote administration for a self-service transaction terminal, comprising:

receiving a request for a startup of at least one transaction terminal process by a process controller of the transaction terminal selected from a group of transaction terminal processes consisting of a system monitor, an audio application, a screen reader application, a session manager, a device manager, a system manager, a diagnostics application, an intelligent maintenance panel, a log manager, an installation framework, and a configuration framework;

5 starting the requested process by the process controller;

10 performing at least one pre-defined transaction terminal function by the started process; and

15 if a command to shutdown is received, coordinating an orderly shutdown of the transaction terminal by the process controller.

2. The method of claim 1, wherein receiving the request further comprises receiving the request from one of an integrated network control and an operator interface.

3. The method of claim 2, wherein receiving the request further comprises receiving the request from the integrated network control over a network.

4. The method of claim 3, wherein receiving the request further comprises receiving the request from the integrated network control coupled over the network to a plurality of self-service transaction terminals.

5. The method of claim 2, wherein receiving the request further comprises receiving the request from an operator interface touchpoint consisting of one of a front screen of the transaction terminal, a personal computer on a network, a video screen, and a personal data assistant.

25 6. The method of claim 1, wherein starting the requested process by the process controller further comprises at least one of monitoring the process by the process controller, restarting the requested process by the process controller, rebooting a transaction terminal system by the process controller, and maintaining a registry of the started process by the process controller.

7. The method of claim 1, wherein the started process comprises the system monitor and wherein performing the pre-defined transaction terminal function further comprises performing a system monitor function selected from a group of system monitor functions consisting of blanking a screen display, unblanking the screen display, resetting a hardware watchdog timer, resetting a hardware watchdog timeout value, and sending a system reset notification to an integrated network control.

5
8. The method of claim 1, wherein the started process comprises the audio application and wherein performing the pre-defined transaction terminal function further comprises performing an audio application function selected from a group of audio application functions
10 consisting of controlling routing of an audio amplifier output, controlling an audio amplifier board, and diagnostic testing of the amplifier board.

9. The method of claim 1, wherein the started process comprises the screen reader application and wherein performing the pre-defined transaction terminal function further comprises performing a screen reader application function selected from a group of screen reader application functions consisting of converting text-to-speech and providing a screen layout with navigation selections exclusively by touchscreen.

15
10. The method of claim 1, wherein the started process comprises the session manager and wherein performing the pre-defined transaction terminal function further comprises performing a session manager function selected from a group of session manager functions
20 consisting of bringing up a browser, coordinating one of a customer session, an operator session, and a hardware diagnostics session, supporting one of a transaction terminal start function and a transaction terminal stop function, displaying an out-of-service transaction terminal screen, recovering from an out-of-service condition of the transaction terminal, reporting pre-selected transaction terminal status information, reporting one of an out-of-
25 service and a back-in-service condition of the transaction terminal, and reporting a state of the transaction terminal as one of in use, idle, diagnostics running, and back administration utility running.

11. The method of claim 1, wherein the started process comprises the device manager and wherein performing the pre-defined transaction terminal function further comprises
30 performing a device manager function selected from a group of device manager functions consisting of coordinating and allocating one of a cash dispensing module, a depositor, a dynamic reader, a touchscreen, a printer, a switch, and an indicator.

12. The method of claim 1, wherein the started process comprises the system manager and wherein performing the pre-defined transaction terminal function further comprises

performing a system manager function selected from a group of system manager functions consisting of transaction terminal status monitoring, inquiry and control commands, file transfer and remote command execution, software distribution, remote peruse, log upload, auto configuration, load balancing support, device MIS, customer MIS, and time synchronization.

5 13. The method of claim 1, wherein the started process comprises the diagnostics application and wherein performing the pre-defined transaction terminal function further comprises performing a diagnostics application function selected from a group of diagnostics application functions consisting of executing diagnostics requests, communicating with a physical device handler, diagnostic testing of a peripheral device, and providing a list of devices to a client.

10 14. The method of claim 1, wherein the started process comprises the intelligent maintenance panel and wherein performing the pre-defined transaction terminal function further comprises performing an intelligent maintenance panel function selected from a group of intelligent maintenance panel functions consisting of obtaining status of one of a session and a device, performing one of a shutdown and a reboot through an operator request, performing an operator interface log on via an operator selection, allowing a service mode entry, and requesting a diagnostic test.

15 15. The method of claim 1, wherein the started process comprises the log manager and wherein performing the pre-defined transaction terminal function further comprises performing a log manager function selected from a group of log manager functions consisting of maintaining a business log and maintaining a runtime log.

20 16. The method of claim 1, wherein the started process comprises the installation framework and wherein performing the pre-defined transaction terminal function further comprises performing an installation framework function selected from a group of installation framework functions consisting of distribution of software release packages, activation of software release packages, cutover of software release packages, fallback to a previously running version of software, and backing out of a last distributed software release package and reinstalling a previous software versions.

25 17. The method of claim 1, wherein the started process comprises the configuration framework and wherein performing the pre-defined transaction terminal function further comprises performing a configuration framework function selected from a group of configuration framework functions consisting of installing and configuring software and configuring the transaction terminal.

18. A system for providing worldwide web content, centralized management, and local and remote administration for a self-service transaction terminal, comprising:

means for receiving a request for a startup of at least one transaction terminal process of the transaction terminal selected from a group of transaction terminal processes consisting of a system monitor, an audio application, a screen reader application, a session manager, a device manager, a system manager, a diagnostics application, an intelligent maintenance panel, a log manager, an installation framework, and a configuration framework;

5 means for starting the requested process;

means for performing at least one pre-defined transaction terminal function by the 10 started process; and

if a command to shutdown is received, means for coordinating an orderly shutdown of the transaction terminal.

19. The system of claim 18, wherein the means for receiving the request further comprises a process controller of the transaction terminal.

15 20. The system of claim 18, wherein the means for receiving the request, starting the requested process, and coordinating an orderly shutdown further comprises a process controller of the transaction terminal coupled to one of an integrated network control and an operator interface.

21. The system of claim 20, wherein the means for receiving the request further 20 comprises the process controller coupled to the integrated network control over a network.

22. The system of claim 20, wherein the means for receiving the request further comprises the process controller coupled to an operator interface touchpoint consisting of one of a front screen of the transaction terminal, a personal computer on a network, a video screen, and a personal data assistant.

25 23. The system of claim 18, wherein the means for starting the requested process by the process controller further comprises at least one of means for monitoring the started process by the process controller, means for restarting the started process by the process controller, means for rebooting a transaction terminal system by the process controller, and means for maintaining a registry of the started process by the process controller.

30 24. The system of claim 18, wherein the means for starting the process comprises means for starting the system monitor and wherein the means for performing the pre-defined transaction terminal function further comprises means for performing a system monitor function selected from a group of system monitor functions consisting of blanking a screen display, unblanking the screen display, resetting a hardware watchdog timer, resetting a

hardware watchdog timeout value, and sending a system reset notification to an integrated network control.

25. The system of claim 18, wherein the means for starting the process comprises means for starting the audio application and wherein the means for performing the pre-defined

5 transaction terminal function further comprises means for performing an audio application function selected from a group of audio application functions consisting of controlling routing of an audio amplifier output, controlling an audio amplifier board, and diagnostic testing of the amplifier board.

26. The system of claim 18, wherein the means for starting the process comprises means

10 for starting the screen reader application and wherein the means for performing the pre-defined transaction terminal function further comprises means for performing a screen reader application function selected from a group of screen reader application functions consisting of converting text-to-speech and providing a screen layout with navigation selections exclusively by touchscreen.

15 27. The system of claim 18, wherein the means for starting the process comprises means

for starting the session manager and wherein the means for performing the pre-defined transaction terminal function further comprises means for performing a session manager function selected from a group of session manager functions consisting of bringing up a browser, coordinating one of a customer session, an operator session, and a hardware

20 diagnostics session, supporting one of a transaction terminal start function and a transaction terminal stop function, displaying an out-of-service transaction terminal screen, recovering from an out-of-service condition of the transaction terminal, reporting pre-selected transaction terminal status information, reporting one of an out-of-service and a back-in-service condition of the transaction terminal, and reporting a state of the transaction terminal

25 as one of in use, idle, diagnostics running, and back administration utility running.

28. The system of claim 18, wherein the means for starting the process comprises means

for starting the device manager and wherein the means for performing the pre-defined transaction terminal function further comprises means for performing a device manager function selected from a group of device manager functions consisting of coordinating and 30 allocating one of a cash dispensing module, a depositor, a dynamic reader, a touchscreen, a printer, a switch, and an indicator.

29. The system of claim 18, wherein the means for starting the process comprises means

for starting the system manager and wherein the means for performing the pre-defined transaction terminal function further comprises means for performing a system manager

function selected from a group of system manager functions consisting of transaction terminal status monitoring, inquiry and control commands, file transfer and remote command execution, software distribution, remote peruse, log upload, auto configuration, load balancing support, device MIS, customer MIS, and time synchronization.

RI.12⁶ 5 30. The system of claim 18, wherein the means for starting the process comprises means for starting the diagnostics application and wherein the means for performing the pre-defined transaction terminal function further comprises means for performing a diagnostics application function selected from a group of diagnostics application functions consisting of executing diagnostics requests, communicating with a physical device handler, diagnostic testing of a peripheral device, and providing a list of devices to a client.

RI.12⁶ 10 31. The system of claim 18, wherein the means for starting the process comprises means for starting the intelligent maintenance panel and wherein the means for performing the pre-defined transaction terminal function further comprises means for performing an intelligent maintenance panel function selected from a group of intelligent maintenance panel functions consisting of obtaining status of one of a session and a device, performing one of a shutdown and a reboot through an operator request, performing an operator interface log on via an operator selection, allowing a service mode entry, and requesting a diagnostic test.

RI.12⁶ 15 32. The system of claim 18, wherein the means for starting the process comprises means for starting the log manager and wherein the means for performing the pre-defined transaction terminal function further comprises means for performing a log manager function selected from a group of log manager functions consisting of maintaining a business log and maintaining a runtime log.

RI.12⁶ 20 33. The system of claim 18, wherein the means for starting the process comprises means for starting the installation framework and wherein the means for performing the pre-defined transaction terminal function further comprises means for performing an installation framework function selected from a group of installation framework functions consisting of distribution of software release packages, activation of software release packages, cutover of software release packages, fallback to a previously running version of software, and backing out of a last distributed software release package and reinstalling a previous software

25 versions.

RI.12⁶ 34. The system of claim 18, wherein the means for starting the process comprises means for starting the configuration framework and wherein the means for performing the pre-defined transaction terminal function further comprises means for performing a configuration

framework function selected from a group of configuration framework functions consisting of installing and configuring software and configuring the transaction terminal.

35. A method for providing worldwide web content, centralized management, and local and remote administration for a self-service transaction terminal, comprising:

5 receiving a request for a startup of at least one transaction terminal process by a process controller of the transaction terminal from one of an integrated network control and an operator interface;

starting the requested process by the process controller;

performing at least one pre-defined transaction terminal function by the started

10 process; and

if a command to shutdown is received, coordinating an orderly shutdown of the transaction terminal by the process controller.

36. 35. The method of claim 34, wherein receiving the request further comprises receiving the request from the integrated network control over a network.

15 ~~36.~~ The method of claim 35, wherein receiving the request further comprises receiving the request from the integrated network control coupled over the network to a plurality of self-service transaction terminals.

~~38.~~
~~37.~~ The method of claim 34, wherein receiving the request further comprises receiving the request from an operator interface touchpoint consisting of one of a front screen of the transaction terminal, a personal computer on a network, a video screen, and a personal data assistant.